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## AMENDMENTS TO THE FIGURES

Please replace Figures 3 and 4 with presently on file with the corresponding new
Figures, enclosed herewith.

## AMENDMENTS TO THE SPECIFICATOIN

Please replace the paragraph beginning on page 4, line 21 and ending on page 5,
line 3 with the following paragraph:

> As mentioned above, the major drawback of traditional CPE-VPNs is their inability to
> accelerate a secure tunnel transmission over the wireless network. The reason the
> CPE-VPNs cannot accelerate such secure tunnel transmissions is because the
> aforementioned optimization performance techniques operate on the transport layer
> and up (fourth layer) of the OSI standard, whereas the encryption occurs on the
> network layer (third layer). That is to say, the signal cannot be accelerated as it
> bypasses the acceleration server [120] in a lower layer encrypted tunnel.

Please replace the paragraph beginning on page 5, line 16, and ending on page 6,
line 11 with the following paragraph:

> One aspect of the invention is defined as a method for securely accelerating customer
> premises equipment based virtual private network transmissions over a wireless
> network comprising the steps of: establishing an encrypted acceleration tunnel
> between a VPN acceleration client and a VPN acceleration server in response to a
> VPN acceleration client request for information wherein the encrypted acceleration
> tunnel terminates at a VPN acceleration server; securely transmitting the relevant
> VPN address and required data information to the VPN acceleration server over the
> encrypted acceleration tunnel; establishing an encrypted VPN tunnel between the
> VPN acceleration server and an appropriate enterprise content server via a VPN
> switch, wherein the appropriate enterprise content server corresponds with the
> required data information transmitted; encrypting and transmitting required data
> corresponding to the required data information ~~form~~ from the VPN switch to the VPN
> acceleration server over the VPN tunnel, wherein the required data is communicated
> from the appropriate enterprise content server to the VPN switch prior to encryption
> and transmission; decrypting the required data at the VPN acceleration server;
> accelerating, encrypting and transmitting the required data to the VPN acceleration
> client; and decrypting and decelerating the required data in response to the VPN
> acceleration client receiving the required data.

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Please replace the paragraph beginning on page 7, line 17 and ending on page 8, line 2 with the following paragraph:

Referring to enterprise network [104] one can see a VPN switch [112] interconnected to a plurality of Enterprise content servers [110]. A VPN switch [112] is a server on the enterprise network [104] that communicates with enterprise content servers [110] and a VPN acceleration server [160] on the wireless network [108]-[108¹] for purposes of establishing a secure communication channel therebetween. As will be apparent to one skilled in the art the content servers [110] store the various enterprise related data to be communicated over the CPE-VPN [100].

Please replace the paragraph beginning on page 11, line 14 and ending on page 11, line 22 with the following paragraph:

From a Wireless Service Providers perspective, the aforementioned methodology is beneficial for the following reasons. First, the added feature of secure wireless connections with an enterprise network is a value-added offering to end-user corporate customers. Second, wireless providers do not need to sell acceleration servers to enterprise companies and instead can focus on selling wireless devices and services to end-uses end-users, their traditionally preferred sales channel. Finally, as a result of an enterprise not requiring its own accelerator server to optimize the signal before transmission over a VPN tunnel, a Wireless service provider can provide this service at a reduced cost.